

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-6 (canceled).

Claim 7 (new): An ultrasonic transmitting and receiving apparatus comprising:

a casing including a bottom, an outer peripheral wall, and an inner peripheral wall, the outer peripheral wall being integral with the bottom and extending from an inner surface of the bottom, the inner peripheral wall being integral with the bottom and extending from the inner surface of the bottom, a space surrounded by the inner peripheral wall and the bottom defining a first recess, and a space surrounded by the inner peripheral wall, the outer peripheral wall, and the bottom defining a second recess;

a piezoelectric element mounted to the bottom and facing the first recess; and

a vibration isolating member filling the second recess.

Claim 8 (new): The ultrasonic transmitting and receiving apparatus according to Claim 7, wherein a cross section of the first recess has an anisotropic shape, the cross section being taken along a direction parallel to the bottom and being defined by an inside surface of the inner peripheral wall.

Claim 9 (new): The ultrasonic transmitting and receiving apparatus according to Claim 8, wherein the anisotropic shape is substantially elliptical.

Claim 10 (new): The ultrasonic transmitting and receiving apparatus according to Claim 8, wherein a cross section of an inside surface of the outer peripheral wall is circular, the cross section being taken along a direction parallel to the bottom.

Claim 11 (new): The ultrasonic transmitting and receiving apparatus according to Claim 9, wherein the bottom includes a thick portion and a thin portion, the piezoelectric element is mounted to the thick portion, and the thin portion extends along a major axis of the elliptical shape.

Claim 12 (new): The ultrasonic transmitting and receiving apparatus according to Claim 7, wherein a cross section of an inside surface of the outer peripheral wall is circular, the cross section taken along a direction parallel to the bottom.

Claim 13 (new): The ultrasonic transmitting and receiving apparatus according to Claim 7, wherein the bottom includes a thick portion and a thin portion, and the piezoelectric element is mounted to the thick portion.

Claim 14 (new): The ultrasonic transmitting and receiving apparatus according to Claim 13, wherein at least a portion of the thin portion faces the first recess.

Claim 15 (new): The ultrasonic transmitting and receiving apparatus according to Claim 13, wherein at least a portion of the thin portion faces the second recess.

Claim 16 (new): The ultrasonic transmitting and receiving apparatus according to Claim 7, wherein a thickness of the inner peripheral wall is equal to or smaller than a thickness of the outer peripheral wall.

Claim 17 (new): The ultrasonic transmitting and receiving apparatus according to Claim 7, wherein a cross section of the inner peripheral wall has an anisotropic shape, the cross section being taken along a direction parallel to the bottom and being defined by an outside surface of the inner peripheral wall.